

METHOD AND APPARATUS FOR EFFECTING HIGH-  
FREQUENCY AMPLIFICATION OR OSCILLATION

ABSTRACT OF THE DISCLOSURE

5       An apparatus includes a distributed resonant  
tunneling section with a plurality of inductive portions  
that are coupled in series with each other between first  
and second nodes, such that a respective further node is  
present between each adjacent pair of the inductive  
portions.   The distributed resonant tunneling section  
also has a plurality of resonant tunneling device  
portions which are each coupled between a third node and  
10   a respective one of the further nodes.